JOURNAL OF COATINGS TECHNOLOGY

1995 Annual Index of the Journal of Coatings Technology

Volume 67 — Numbers 840–851
January–December, 1995

Keyword Subject Index

Additives

Cationic Photoinitiator ..... Dec., p. 71
Defoamers ..... Jan., p. 21
Dispersants ..... Jan., p. 21
Flow Agents ..... June, p. 89
Wetting Agents ..... Jan., p. 21

Analysis

Atomic Force Microscopy ..... June, p. 59; Sept., p. 101
Casson Equation ..... Aug., p. 69
Corrosion Resistance ..... Apr., p. 35
Cross-Polarized Light Microscopy ..... Mar., p. 23
Differential Scanning Calorimetry ..... May, p. 67
Digital Image ..... Mar., p. 23
Electrochemical Noise ..... Apr., p. 35
Elemental ..... Apr., p. 29
Exposure ..... Dec., p. 55
Fourier Transform Raman ..... Aug., p. 63
Fox Equation ..... July, p. 53
FTIR ..... May, p. 37
FTIR/ATR ..... Sept., p. 89
Gas Chromatography ..... Feb., p. 53
Glass Transition Temperature ..... Apr.,29; May, p. 46; July, p. 53
Hardness ..... Jan., p. 61
NMR ..... Nov., p. 29
Numerical Simulation ..... Jan., p. 35
Optical Birefringence Microscopy ..... Mar., p. 23
Photoelectron Spectroscopy ..... Apr., p. 29
Solvents ..... Apr., p. 45
Spectroscopy ..... May, p. 46
Surfaces ..... Sept., p. 101; Nov., p. 19
Titration ..... Feb., p. 53
VOC ..... Feb., p. 53
Weathering ..... Aug., p. 53

Chemical Compounds

Peroxides ..... Feb., p. 31

Chemical Process

Catalysis ..... Mar., p. 33
Chemical Vapor Deposition ..... Apr., p. 57
Corrosion ..... Apr., p. 35
Transesterification ..... Feb., p. 23
Weathering ..... Aug., p. 53

Coatings Components

Acrylics ..... Feb., p. 31
Aldimine ..... Oct., p. 41
Alkyds ..... Sept., p. 113
Blocked Isocyanates ..... Mar., p. 33
Carboxylic Acids ..... Feb., p. 39
Epoxy Emulsion ..... Nov., p. 45
Esters (Poly-) ..... Mar., p. 49; Aug., p. 53; Nov., p. 19
Melamine Formaldehyde ..... Dec., p. 63
Organosilane ..... Feb., p. 39
Oxazolidine ..... Oct., p. 41
Photoinitiators ..... Mar., p. 49; Oct., p. 27
Polycarbodiimide ..... July, p. 43
Polyguanidine ..... July, p. 43
Reactive Diluents ..... Oct., p. 41

Coatings

Adhesion ..... Jan., p. 35; Apr., p. 45; June, p. 79
Cathodic Deposition ..... June, p. 79
Chlorinated Alkyd ..... May, p. 29
Corrosion (Anti-) ..... Apr., p. 35; July, p. 59
Crosslink Density ..... Apr., p. 29; Apr., p. 23; Sept., p. 89
Crosslinkers ..... Mar., p. 33; July, p. 43; Oct., p. 19; Nov., p. 45; Dec., p. 63
Crosslinking ..... July, p. 43; Nov., p. 29
Crosslinking Agents ..... Feb., p. 39

Curing ..... May, p. 46
Defects ..... Jan., p. 21

Delamination ..... Mar., p. 23
Depth Profiling ..... Apr., p. 29
EB Cure ..... Oct., p. 27
Enamel ..... Jan., p. 47
Exposure ..... Nov., p. 19
Exterior ..... Sept., p. 113
Fire Retardant ..... May, p. 29
Flexibility ..... Feb., p. 23
Flow ..... Feb., p. 39; June, p. 89
Friction ..... Mar., p. 47
Hardness ..... Jan., p. 61
High-Build ..... Mar., p. 49
High Performance ..... Mar., p. 41
High Solids ..... Jan., p. 47; Feb., p. 23; Oct., p. 41; Nov., p. 19
Impact ..... Jan., p. 35; Mar., p. 23
Impact Resistance ..... Feb., p. 23
Latex ..... Aug., p. 63; Sept., p. 101; Nov., p. 37
Lubrication ..... Mar., p. 47
Melamine/Formaldehyde ..... Apr., p. 29
Metallic ..... July, p. 59
Particle Coalescence ..... June, p. 59
Performance ..... June, p. 89
Pigment Content ..... Aug., p. 63
Pigment Volume Concentration ..... Nov., p. 37
Polyurethane ..... Mar., p. 33; Sept., p. 89; Oct., p. 41
Powder ..... Feb., p. 39; Feb., p. 23; Apr., p. 23; July, p. 43
Shipboard ..... May, p. 29
Smoothness ..... June, p. 79
Solvent-Based ..... May, p. 29
Stability ..... May, p. 57; Aug., p. 53
Stress ..... Jan., p. 35
Thermoset ..... May, p. 46; Dec., p. 63
Thermoset Cure ..... Feb., p. 23
Thermosetting ..... Apr., p. 23
Tribology ..... Mar., p. 47
UV Cure ..... Oct., p. 27
Viscoelasticity ..... Aug., p. 69
Viscosity ..... Jan., p. 47
VOC ..... Feb., p. 53; Sept., p. 113
Water-Based ..... June, p. 59; July, p. 59; Aug., p. 81; Sept., p. 113; Sept., p. 89; Oct., p. 19; Nov., p. 45; Dec., p. 63
Water Diffusion ..... May, p. 37
Wear ..... Mar., p. 47
Wood ..... Mar., p. 49

Computer Applications

Color ..... Jan., p. 53
CPVC ..... Nov., p. 37
Coatings Formulation ..... Jan., p. 53
Fractal Analysis ..... Apr., p. 35
Matching ..... Jan., p. 53

Films

Acrylic ..... Aug., p. 63
Curing ..... Mar., p. 41; Dec., p. 55
Diffusion ..... May, p. 37
Durability ..... Dec., p. 55
Formation ..... June, p. 59; Sept., p. 101
Free Volume ..... May, p. 46
Gloss ..... Dec., p. 55
Gloss Retention ..... Dec., p. 55
Mass Transport ..... June, p. 71
Polymeric ..... June, p. 71
Stress ..... June, p. 71
Structure ..... Sept., p. 101
Swelling ..... June, p. 71
UV Curing ..... Mar., p. 49
Weathering ..... Dec., p. 55

Formulation

Annealing ..... Apr., p. 23
High Solids ..... Jan., p. 47
Quenching ..... Apr., p. 23
Temperature ..... Jan., p. 47

Industry Management

ASTM ..... Jan., p. 61
EPA ..... Nov., p. 19
Safety ..... Aug., p. 81

Liquids

Rheology ..... Aug., p. 69

Manufacturing

Initiators ..... Feb., p. 31
Permanent Total Enclosures ..... July, p. 63
Polymerization ..... Feb., p. 31; Oct., p. 27

Oils

Castor Oil ..... Feb., p. 47
Linseed Oil ..... Feb., p. 47
Styrenation ..... Feb., p. 47
Sunflower Oil ..... Feb., p. 47

Pigments

Aluminum ..... July, p. 59
Calcium Carbonate ..... Aug., p. 63
Effect ..... Apr., p. 57
Iron Oxide ..... Apr., p. 57
Suspension ..... Aug., p. 69
Titanium Dioxide ..... Aug., p. 63; Dec., p. 55

Pollution/Health

Acid Rain ..... Nov., p. 19
California ..... Feb., p. 53
Environment ..... Sept., p. 113; Nov., p. 19
Europe ..... Sept., p. 113
VOC Containment ..... July, p. 63

Polymeric Components

Alkyds ..... May, p. 67
Allyl Ether ..... Mar., p. 49
Amines ..... May, p. 46; Dec., p. 63
Epoxy ..... Feb., p. 23; May, p. 46; Nov., p. 45
Epoxy Modified Silicones ..... Dec., p. 71
Esters ..... May, p. 57
Glycidyl Ether ..... Mar., p. 41
Novel Amine Adduct ..... Mar., p. 41
Styrene ..... July, p. 59
Urethane ..... Oct., p. 19

Polymers

Acrylic Copolymers ..... July, p. 53
Catalysts ..... Mar., p. 33
Curing Kinetics ..... May, p. 67
Dendrimers ..... Oct., p. 35
Hydrolitic Stability ..... May, p. 57
Hyperbranched ..... Oct., p. 35
Oligomer ..... Jan., p. 47
Melamine/Formaldehyde Resin ..... Sept., p. 89
Photopolymer ..... Nov., p. 29
Photopolymerization ..... Dec., p. 71
Polyacrylates ..... Feb., p. 31
Polymerization ..... Nov., p. 29
Polyolacrylates ..... Nov., p. 29
Polyester Resins ..... May, p. 57; Oct., p. 35
Spontaneous Polymerization ..... Mar., p. 41
Thermoset ..... May, p. 67
UV Cure ..... May, p. 67

Pretreat/Application

Conductive Coatings ..... Aug., p. 81
Electrocoat ..... June, p. 79
Electrostatic ..... Aug., p. 81
Mixed Systems ..... Aug., p. 81
Spray ..... Jan., p. 21
Voltage Block ..... Aug., p. 81
Waterborne Coatings ..... Aug., p. 81

Productivity

Creativity ..... Sept., p. 109
Economy ..... Sept., p. 109
Innovation ..... Sept., p. 109
Intuition ..... Sept., p. 109
Research ..... Sept., p. 109

Solvents

Evaporation ..... Apr., p. 45

Substrates

Aluminum ..... June, p. 79
Coating Interface ..... May, p. 37
Corrosion ..... June, p. 79
Injection Molded Plastic ..... Jan., p. 35
Plastic Morphology ..... Jan., p. 35
Plastics ..... Mar., p. 23
Thermoplastic Olefin ..... Jan., p. 35; Apr., p. 45

Alphabetical Listing of Papers

A

An Additives Approach to Defect Elimination in Thermoplastic Waterborne Industrial Maintenance Coatings—J. Schwartz and S.V. Bogar, Jan., p. 21.

Adherence Strength and Smoothness of Cathodically Deposited Paints on Aluminum—F. Beck and U.A. Krüger, June, p. 79.

Aliphatic Epoxy Emulsion Crosslinker for Waterborne Coatings—D.R. Eslinger, Nov., p. 45.

Aliphatic Isocyanates Blocked with Volatile Alcohols for Decorative Coatings—Y. Huang, G. Chu, M. Nieh, and F.N. Jones, Mar., p. 33.

Alkyd-Based Thermosetting Resins: Influences of Temperature and UV Radiation on Curing Kinetics—N. Delahaye, J.M. Saiter, M. Liziard, and L. Podgorski, May, p. 67.

Anionic Blocked Isocyanate-Containing Urethane Prepolymer Dispersions for Coating Applications—H. Xiao, H.X. Xiao, B. Suthar, and K.C. Frisch, Oct., p. 19.

B

Bivariate Approach to Viscosity Adjustment—M.J. Eiseman, Jan., p. 47.

C

Cationic Photopolymerization of Epoxy Modified Silicones for Application to Silicone Release Papers: A New Photoinitiator—C. Priou, A. Soldat, J. Cavezzan, F. Castellanos, and J.P. Fouassier, Dec., p. 71.

Characterization of Particle Coalescence in Waterborne Coatings Using Atomic Force Microscopy—R.M. Rynders, C.R. Hegedus, and A.G. Gilicinski, June, p. 59.

Computer Simulation of Particle Packing in Acrylic Latex Paints—G.T. Nolan and P.E. Kavanagh, Nov., p. 37.

Computer-Aided Design and Manufacturing of the Color of Decorative and Protective Coatings—D.C. Rich, Jan., p. 53

Correlation of Thermal History and Performance in Thermosetting Powder Coatings—K.G. Panjnani, S.D. Pace, and S.F. Thames, Apr., p. 23.

Crosslinking of Waterborne Polyurethane Dispersions—V.J. Tramontano and W.J. Blank, Sept., p. 89.

D

Depth Profiling of Acrylic/Melamine Formaldehyde Coatings—G. Haacke, J.S. Brinen, and P.J. Larkin, Apr., p. 29.

Durability and Gloss—J.H. Braun, Dec., p. 55.

E

ECO at All Costs? An Ecological Balance of Some Water-Based Paints—A. Hofland, Sept., p. 113.

Effects of Coating Solvents on the Morphology of Thermoplastic Polyolefins (TPO)—R.A. Ryntz, Q. Xie, and A.C. Ramamurthy, Apr., p. 45.

Epoxy Nucleophile Catalyzed Transesterification—G.P. Craun, Feb., p. 23.

Estimation of the Glass Transition Temperature of Acrylic Copolymers—M.K. Gupta, July, p. 53.

F

Flow Modifiers: A Key to Developing High Quality Surface Coatings—M.A. Grolitzer and D.E. Erickson, June, p. 89.

Fourier Transform Raman Spectroscopy for the Analysis of Pigmented Acrylic Latex Films—A.S. Davie, P.E. Kavanagh, and W-H. Leong, Aug., p. 63.

Free Radical and Cationic Photoinitiators in Ultraviolet Light Curable Coatings—L.N. Price, Oct., p. 27.

I

Influence of Novel Amine Adduct on Curing of Epoxy Resins in Presence of Vinyl Acetate—A.V. Rao and P.V. Sapre, Mar., p. 41.

Initiators for High-Solids Polyacrylates Resins: Selection Guidelines and Performance Review—G.G. Myers, Feb., p. 31.

Interpretation of Corrosion Resistance Properties of Organic Paint Films From Fractal Analysis of Electrochemical Noise Data—M. Moon and B. Skerry, Apr., p. 35.

M

Macroscopic Volume, van der Waals Volume and Free Volume after Cure Versus Chemical Conversion for a High-T_g Epoxy/Amine Thermosetting System—R.A. Venditti, J.K. Gillham, Y.C. Jean, and Y. Lou, May, p. 47.

Method for Measuring Water Diffusion in a Coating Applied to a Substrate—T. Nguyen, D. Bentz, and E. Byrd, May, p. 37.

N

Novel Organosilane Crosslinking Agents for Powder Coatings—S.F. Thames, K.G. Panjnani, S.D. Pace, M.D. Blanton, and B.R. Cumberland, Feb., p. 39.

P

Polyester Weatherability: Coupling Frontier Molecular Orbital Calculations of Oxidative Stability with Accelerated Testing—C.J. Sullivan and C.F. Cooper, Aug., p. 53.

Practical Considerations of Design and Installation of Permanent Total Enclosures—I. Frankel and G. Bisonett, July, p. 63.

R

The Reactions of Amines with Melamine Formaldehyde Crosslinkers in Thermoset Coatings—P.E. Ferrell, J.J. Gummeson, L.W. Hill, and L.J. Truesdell-Snider, Dec., p. 63.

Reconsidering the Shipboard Use of Chlorinated Alkyd Paints—L.V. Wake, J.R. Brown, and Z. Mathys, May, p. 29.

A Report on the Paint/Coatings Industry in the Russian State and Forecasts for the Future—B.B. Kudryavtsev, Feb., p. 61.

Rheology of Suspensions—T. Sato, Aug., p. 69.

The Role of Intuition in Innovative R&D—M.A. Glaser, Sept., p. 109.

S

Solution and Solid C^{13} NMR Studies of Multifunctional Polyolacrylate Networks—A. Lungu and D.C. Neckers, Nov., p. 29.

Stabilization of Aluminum Pigments in Aqueous Alkaline Media by Styrene Copolymers—B. Müller, July, p. 59.

State-of-the-Art Instruments to Measure Coating Hardness—P.R. Guevin, Jr., Jan., p. 61.

Statistical Study of Hydrolytic Stability in Amine-Neutralized Waterborne Polyester Resins as a Function of Monomer Composition—T.E. Jones and J.M. McCarthy, May, p. 57.

Stone Impact Damage to Painted Plastic Substrates—R.A. Ryntz, A.C. Ramamurthy, and J.W. Holubka, Mar., p. 23.

Study on the Chemistry of Polyguanidines as Precursors for Polycarbodiimide Crosslinkers in Powder Coatings—J.W. Taylor, M.J. Collins, and D.R. Bassett, July, p. 43.

A Study of the Effect of Acid Rain on Alkyd, Polyester, and Silicone-Modified High-Solids Coatings—Northwestern Society for Coatings Technology and Montreal Society for Coatings Technology, Nov., p. 19.

Styrenation of Oils Based on Secondary Esters of Castor Oil—O.S. Kabasakal, F.S. Güner, A.T. Erciyes, and Y. Yagci, Feb., p. 47.

Surface Structure of Latex Films, Varnishes, and Paint Films Studied with an Atomic Force Microscope—H-J. Butt and R. Kuropka, Sept., p. 101.

Swelling Stresses and Strains Associated with Mass Transport in Polymeric Films—C-S. Jou, S.T. Sackinger, and R.J. Farris, June, p. 71.

Synthesis, Characterization, and UV Curing of Acrylate Functional Hyperbranched Polyester Resins—M. Johansson and A. Hult, Oct., p. 35.

T

Teamwork Brings Innovative Effect Pigments to Light—R. Iden, Apr., p. 57.

Thermal and Impact Induced Stress Failure in Painted TPO: The Role of Surface Morphology—R.A. Ryntz, A.C. Ramamurthy, and D.J. Mihora, Jan., p. 35.

Tribology & Tribochemistry for Innovations in Organic Coatings—M.A. Glaser, Mar., p. 47.

U

Ultra-Low Viscosity Oxazolidine and Aldimine-Based Reactive Diluents for High-Solids Polyurethane Coatings—T.L. Johnson, Oct., p. 41.

UV Curing of Pigmented High-Build Wood Coatings Based on Non-Air-Inhibited Unsaturated Polyesters—M.J. Dvorchak, Mar., p. 49.

V

VOC Testing Comparison: EPA Method 24 Versus the Cal Poly Method—Los Angeles Society for Coatings Technology, Feb., p. 53.

W

Waterborne Coating Application System Design Using Voltage Block Technology—R.D. Konieczynski, Aug., p. 81.

Author Index

B

Bassett, D.R.—See Taylor, J.W.

Beck, F. and Krüger, U.A.—Adherence Strength and Smoothness of Cathodically Deposited Paints on Aluminum, June, p. 79.

Bentz, D.—See Nguyen, T.

Bisonett, G.—See Frankel, I.

Blank, W.J.—See Tramontano, V.J.

Blanton, M.D.—See Thames, S.F.

Bogar, S.V.—See Schwartz, J.

Braun, J.H.—Durability and Gloss, Dec., p. 55.

Brinen, J.S.—See Haacke, G.

Brown, J.R.—See Wake, L.V.

Butt, H-J. and Kuropka, R.—Surface Structure of Latex Films, Varnishes, and Paint Films Studied with an Atomic Force Microscope, Sept., p. 101.

Byrd, E.—See Nguyen, T.

C

CASTELLANOS, F.—See Priou, C.
CAVEZZAN, J.—See Priou, C.
CHU, G.—See Huang, Y.
COBRANCHI, DARYL P.—See Braun, J.H.
COLLINS, M.J.—See Taylor, J.W.
COOPER, C.F.—See Sullivan, C.J.
CRAUN, G.P.—Epoxy Nucleophile Catalyzed Transesterification, Feb., p. 23.
CUMBERLAND, B.R.—See Thames, S.F.

D

DAVIE, A.S., KAVANAGH, P.E., and LEONG, W-H.—Fourier Transform Raman Spectroscopy for the Analysis of Pigmented Acrylic Latex Films, Aug., p. 63.
DELAHAYE, N., SAITER, J.M., LIZIARD, M., and PODGORSKI, L.—Alkyd-Based Thermosetting Resins: Influences of Temperature and UV Radiation on Curing Kinetics, May, p. 67.
DVORCHAK, M.J.—UV Curing of Pigmented High-Build Wood Coatings Based on Non-Air-Inhibited Unsaturated Polyesters, Mar., p. 49.

E

EISEMAN, M.J.—Bivariate Approach to Viscosity Adjustment, Jan., p. 47.
ERCIYES, A.T.—See Kabasakal, O.S.
ERICKSON, D.E.—See Grolitzer, M.A.
ESLINGER, D.R.—Aliphatic Epoxy Emulsion Crosslinker for Waterborne Coatings, Nov., p. 45.

F

FARRIS, R.J.—See Jou, C-S.
FERRELL, P.E., GUMMESON, J.J., HILL, L.W., and TRUESDELL-SNIDER, L.J.—The Reactions of Amines with Melamine Formaldehyde Crosslinkers in Thermoset Coatings, Dec., p. 63.
FOUASSIER, J.P.—See Priou, C.
FRANKEL, I. and BISONETT, G.—Practical Considerations of Design and Installation of Permanent Total Enclosures, July, p. 63.
FRISCH, K.C.—See Xiao, H.

G

GILICINSKI, A.G.—See Rynders, R.M.
GILLHAM, J.K.—See Venditti, R.A.
GLASER, M.A.—The Role of Intuition in Innovative R&D, Sept., p. 109.
GLASER, M.A.—Tribology & Tribochemistry for Innovations in Organic Coatings, Mar., p. 47.
GROLITZER, M.A. and ERICKSON, D.E.—Flow Modifiers: A Key to Developing High Quality Surface Coatings, June, p. 89.
GUEVIN, JR., P.R.—State-of-the-Art Instruments to Measure Coating Hardness, Jan., p. 61.
GUMMESON, J.J.—See Ferrell, P.E.
GÜNER, F.S.—See Kabasakal, O.S.
GUPTA, M.K.—Estimation of the Glass Transition Temperature of Acrylic Copolymers, July, p. 53.

H

HAACKE, G., BRINEN, J.S., and LARKIN, P.J.—Depth Profiling of Acrylic/Melamine Formaldehyde Coatings, Apr., p. 29.
HEGEDUS, C.R.—See Rynders, R.M.
HILL, L.W.—See Ferrell, P.E.
HOFLAND, A.—ECO at All Costs? An Ecological Balance of Some Water-Based Paints, Sept., p. 113.
HOLUBKA, J.W.—See Ryntz, R.A.
HUANG, Y., CHU, G., NIEH, M., and JONES, F.N.—Aliphatic Isocyanates Blocked with Volatile Alcohols for Decorative Coatings, Mar., p. 33.
HULT, A.—See Johannson, M.

I

IDEN, R.—Teamwork Brings Innovative Effect Pigments to Light, Apr., p. 57.

J

JEAN, Y.C.—Venditti, R.A.
JOHANNSON, M. and HULT, A.—Synthesis, Characterization, and UV Curing of Acrylate Functional Hyperbranched Polyester Resins, Oct., p. 35.
JOHNSON, T.L.—Ultra-Low Viscosity Oxazolidine and Aldimine-Based Reactive Diluents for High-Solids Polyurethane Coatings, Oct., p. 41.
JONES, F.N.—See Huang, Y.
JONES, T.E. and MCCARTHY, J.M.—Statistical Study of Hydrolytic Stability in Amine-Neutralized Waterborne Polyester Resins as a Function of Monomer Composition, May, p. 57.
JOU, C-S., SACKINGER, S.T., and FARRIS, R.J.—Swelling Stresses and Strains Associated with Mass Transport in Polymeric Films, June, p. 71.

K

KABASAKAL, O.S., GÜNER, F.S., ERCIYES, A.T., and YAGCI, Y.—Styrenation of Oils Based on Secondary Esters of Castor Oil, Feb., p. 47.
KAVANAGH, P.E.—See Davie, A.S.
KAVANAGH, P.E.—See Nolan, G.T.
KONIECZYNSKI, R.D.—Waterborne Coating Application System Design Using Voltage Block Technology, Aug., p. 81.
KRÜGER, U.A.—See Beck, F.
KUDRYAVTSEV, B.B.—A Report on the Paint/Coatings Industry in the Russian State and Forecasts for the Future, Feb., p. 61.
KUROPKA, R.—See Butt, H-J.

L

LARKIN, P.J.—See Haacke, G.
LEONG, W-H.—See Davie, A.S.
LIZIARD, M.—See Delahaye, N.
LOU, Y.—Venditti, R.A.
LUNGU, A. and NECKERS, D.C.—Solutions and Solid C^{13} NMR Studies of Multifunctional Polyolacrylate Networks, Nov., p. 29.

M

MATHYS, Z.—See Wake, L.V.
MCCARTHY, J.M.—See Jones, T.E.
MIHORA, D.J.—See Ryntz, R.A.
MOON, M. and SKERRY, B.—Interpretation of Corrosion Resistance Properties of Organic Paint Films From Fractal Analysis of Electrochemical Noise Data, Apr., p. 35.
MÜLLER, B.—Stabilization of Aluminum Pigments in Aqueous Alkaline Media by Styrene Copolymers, July, p. 59.
MYERS, G.G.—Initiators for High-Solids Polyacrylates Resins: Selection Guidelines and Performance Review, Feb., p. 31.

N

NECKERS, D.C.—See Lungu, A.
NGUYEN, T., BENTZ, D., and BYRD, E.—Method for Measuring Water Diffusion in a Coating Applied to a Substrate, May, p. 37.
NIEH, M.—See Huang, Y.
NOLAN, G.T. and KAVANAGH, P.E.—Computer Simulation of Particle Packing in Acrylic Latex Paints, Nov., p. 37.

P

PACE, S.D.—See Panjnani, K.G.
PACE, S.D.—See Thames, S.F.

PANJNANI, K.G., PACE, S.D., and THAMES, S.F.—Correlation of Thermal History and Performance in Thermosetting Powder Coatings, Apr., p. 23.
PANJNANI, K.G.—See Thames, S.F.
PODGORSKI, L.—See Delahaye, N.
PRICE, L.N.—Free Radical and Cationic Photoinitiators in Ultraviolet Light Curable Coatings, Oct., p. 27.
PRIOU, C., SOLDAT, A., CAVEZZAN, J., CASTELLANOS, F., and FOUASSIER, J.P.—Cationic Photopolymerization of Epoxy Modified Silicones for Application to Silicone Release Papers: A New Photoinitiator, Dec., p. 71.

R

RAMAMURTHY, A.C.—See Ryntz, R.A.
RAMAMURTHY, A.C.—See Ryntz, R.A.
RAMAMURTHY, A.C.—See Ryntz, R.A.
RAO, A.V. and SAPRE, P.V.—Influence of Novel Amine Adduct on Curing of Epoxy Resins in Presence of Vinyl Acetate, Mar., p. 41.
RICH, D.C.—Computer-Aided Design and Manufacturing of the Color of Decorative and Protective Coatings, Jan., p. 53.
RYNDERS, R.M., HEGEDUS, C.R., and GILICINSKI, A.G.—Characterization of Particle Coalescence in Waterborne Coatings Using Atomic Force Microscopy, June, p. 59.
RYNTZ, R.A., RAMAMURTHY, A.C., and HOLUBKA, J.W.—Stone Impact Damage to Painted Plastic Substrates, Mar., p. 23.
RYNTZ, R.A., RAMAMURTHY, A.C., and MIHORA, D.J.—Thermal and Impact Induced Stress Failure in Painted TPO: The Role of Surface Morphology, Jan., p. 35.
RYNTZ, R.A., XIE, Q., and RAMAMURTHY, A.C.—Effects of Coating Solvents on the Morphology of Thermoplastic Polyolefins (TPO), Apr., p. 45.

S

SACKINGER, S.T.—See Jou, C-S.
SAITER, J.M.—See Delahaye, N.
SAPRE, P.V.—See Rao, A.V.
SATO, T.—Rheology of Suspensions, Aug., p. 69.
SCHWARTZ, J. and BOGAR, S.V.—An Additives Approach to Defect Elimination in Thermoplastic Waterborne Industrial Maintenance Coatings, Jan., p. 21.
SKERRY, B.—See Moon, M.
SOLDAT, A.—See Priou, C.
SULLIVAN, C.J. and COOPER, C.F.—Polyester Weatherability: Coupling Frontier Molecular Orbital Calculations of Oxidative Stability with Accelerated Testing, Aug., p. 53.
SUTHAR, B.—See Xiao, H.

T

TAYLOR, J.W., COLLINS, M.J., and BASSETT, D.R.—Study on the Chemistry of Polyguanidines as Precursors for Polycarbodiimide Crosslinkers in Powder Coatings, July, p. 43.
THAMES, S.F., PANJNANI, K.G., PACE, S.D., BLANTON, M.D., and CUMBERLAND, B.R.—Novel Organosilane Crosslinking Agents for Powder Coatings, Feb., p. 39.
THAMES, S.F.—See Panjnani, K.G.
TRAMONTANO, V.J. and BLANK, W.J.—Crosslinking of Waterborne Polyurethane Dispersions, Sept., p. 89.
TRUESDELL-SNIDER, L.J.—See Ferrell, P.E.

V

VENDITTI, R.A., GILLHAM, J.K., JEAN, Y.C., and LOU, Y.—Macroscopic Volume, van der Waals Volume and Free Volume after Cure Versus Chemical Conversion for a High-T_g Epoxy/Amine Thermosetting System, May, p. 47.

W

WAKE, L.V., BROWN, J.R., and MATHYS, Z.—Reconsidering the Shipboard Use of Chlorinated Alkyd Paints, May, p. 29.

X

XIAO, H., XIAO, H.X., SUTHAR, B., and FRISCH, K.C.—Anionic Blocked Isocyanate-Containing Urethane Prepolymer Dispersions for Coating Applications, Oct., p. 19.
XIAO, H.X.—See Xiao, H.
XIE, Q.—See Ryntz, R.A.

Y

YAGCI, Y.—See Kabasakal, O.S.

Constituent Society Papers

A Study of the Effect of Acid Rain on Alkyd, Polyester, and Silicone-Modified High-Solids Coatings—Northwestern Society for Coatings Technology and Montreal Society for Coatings Technology, Nov., p. 19.

VOC Testing Comparison: EPA Method 24 Versus the Cal Poly Method—Los Angeles Society for Coatings Technology, Feb., p. 53.